

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"7406747".pn.	US-PGPUB; USPAT	OR	ON	2009/04/27 07:12
S1	0	10/583761.app.	US-PGPUB; USPAT	OR	ON	2009/04/21 14:33
S5	2	US-4528473-\$.DID. OR US-6492751-\$. DID.	US-PGPUB; EPO; JPO; DERWENT	OR	ON	2009/04/21 15:43
S6	5	(11/792532 07/224908 09/255722 ). app. ("6156838" "5043385" "5064700" "7378768").pn.	US-PGPUB; USPAT	OR	ON	2009/04/21 15:56
S7	2	jp-59194658-\$.did.	JPO; DERWENT	OR	ON	2009/04/22 08:07
S8	89	310/43.ccls. and (metal near6 (casing housing)) and @pd<"20050127"	US-PGPUB; USPAT	OR	ON	2009/04/22 08:46
S9	56	310/43.ccls. and (Resin near6 cover) and @pd<"20050127"	US-PGPUB; USPAT	OR	ON	2009/04/22 08:47
S10	4	S9 and S8	US-PGPUB; USPAT	OR	ON	2009/04/22 08:47
S11	29	("2683826"   "2894156"   "3339098"   "3601507"   "3745393"   "4357552"   "4445060"   "4553442").PN. OR ("4673836").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/22 08:56
S12	235	310/89.ccls. and @pd<"20050127" and (Metal near6 (casing housing))	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/22 09:18
S13	359	310/89.ccls. and @pd<"20050127" and resin	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/22 09:19
S14	71	S12 and S13	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/22 09:19
S15	13	("3685926"   "4087708"   "4129796"   "4295067"   "4634908"   "4823032"   "4866317").PN. OR ("5138208").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/22 09:39
S16	131	310/71.ccls. and @pd<"20050127" and (Metal near6 (casing housing))	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/22 10:49
S17	411	310/71.ccls. and @pd<"20050127" and resin	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/22 10:49
S18	34	S16 and S17	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/22 10:49
S19	85	S8 not S10	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/22 11:06
S20	33	("3872334"   "4059898").PN. OR ("5500994").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/22 12:00

S21	30	("2070447"   "3021443"   "3092743"   "3411059"   "3508091"   "3746900"   "3888553"   "3992641"   "4156817"   "4220899"   "4268769"   "4333026"   "4545209"   "4593222"   "4723754"   "4754183"   "4884000"   "4900965"   "5053667"   "5243248"   "5256926"   "5298822"   "5567998"   "5747897"). PN. OR ("6455973").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/22 12:16
S22	247	(310/156.08,156.11,156.21).ccls. and @pd<"20050127"	US-PGPUB; USPAT	OR	ON	2009/04/22 12:40
S23	10	(310/156.08,156.11,156.21).ccls. and @pd<"20050127" and Rotor and lubricat \$4	US-PGPUB; USPAT	OR	ON	2009/04/22 12:44
S24	26	310/156\$.ccls. and @pd<"20050127" and (Rotor shaft) and lubricat\$4 and resin	US-PGPUB; USPAT	OR	ON	2009/04/22 13:39
S25	7	310/261\$.ccls. and @pd<"20050127" and (Rotor shaft) and lubricat\$4 and resin	US-PGPUB; USPAT	OR	ON	2009/04/22 13:54
S26	315	(310/45).ccls. and @pd<"20050127" and (rotor shaft)	US-PGPUB; USPAT	OR	ON	2009/04/22 14:01
S27	7	resin near6 self\$1lubricat\$3 and "310". clas. and @pd<"20050127"	US-PGPUB; USPAT	OR	ON	2009/04/22 14:06
S28	24	("2076239"   "2805107"   "3135564"   "3533666"   "3635535"   "3996143"   "4152060"   "4519691"   "4560894"). PN. OR ("4720650").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/22 14:13
S29	30	("3206623"   "3711732"   "3801842"   "4170057"   "4205247").PN. OR ("4528473").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/22 14:58
S30	29	("1760988"   "3819964"   "4333026"   "4528473"   "4529900"   "4742256"   "5006744"   "5247216"   "5298822"   "5311090"   "5650676"   "5732565"   "5786647"   "5831357"   "5861691"   "5952754"   "6066907"   "6120011"   "6215208"   "6230585"   "6291912"   "6404086"   "6411004"   "6426579"   "6619527"   "6674198"   "6755157"). PN. OR ("7053510").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/22 15:04
S31	40	(US-20010033113-\$ or US- 20020113506-\$ or US-20040056544-\$). did. or (US-4673836-\$ or US-6081056-\$ or US-4847528-\$ or US-4982125-\$ or US-6020668-\$ or US-6800982-\$ or US- 5126608-\$ or US-6157103-\$ or US- 5731646-\$ or US-4866317-\$ or US- 5138208-\$ or US-5334897-\$ or US- 5907204-\$ or US-5952751-\$ or US- 6023838-\$ or US-6125528-\$ or US- 6198189-\$ or US-6465927-\$ or US- 6710484-\$ or US-6753629-\$ or US- 5254892-\$ or US-5490319-\$ or US- 5500994-\$ or US-6049151-\$ or US- 6455973-\$ or US-4333026-\$).did. or (US-4593222-\$ or US-4723754-\$ or US-	US-PGPUB; USPAT	OR	ON	2009/04/22 15:08

		4900965-\$ or US-5298822-\$ or US-5567998-\$ or US-6674208-\$ or US-4720650-\$ or US-5394043-\$ or US-6404086-\$ or US-7053510-\$ or US-5247216-\$).did.				
S32	11	S31 and (resin near6 (rotor shaft))	US-PGPUB; USPAT	OR	ON	2009/04/22 15:09
S33	30	("2801354"   "4719329").PN. OR ("4866317").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/22 15:45
S34	14	("4098515"   "4286180"   "4432883"   "4582368"   "4693580"   "5094907"   "5137374"   "5254892"   "5289067"   "5404060"   "5426988"   "5462362"). PN. OR ("6049151").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/22 16:05
S35	17	("3694909"   "4393319"   "5052656"   "5060910"   "5137255"   "5138208"   "5501201"   "5912520").PN. OR ("6157103").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/22 16:09
S36	12	("5243245"   "5391837"   "5763974"   "5949173").PN. OR ("6198189").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/22 16:16
S37	49	(US-20010033113-\$ or US- 20020113506-\$ or US-20040056544-\$). did. or (US-4673836-\$ or US-6081056-\$ or US-4847528-\$ or US-4982125-\$ or US-6020668-\$ or US-6800982-\$ or US- 5126608-\$ or US-6157103-\$ or US- 5731646-\$ or US-4866317-\$ or US- 5138208-\$ or US-5334897-\$ or US- 5907204-\$ or US-5952751-\$ or US- 6023838-\$ or US-6125528-\$ or US- 6198189-\$ or US-6465927-\$ or US- 6710484-\$ or US-6753629-\$ or US- 5254892-\$ or US-5490319-\$ or US- 5500994-\$ or US-6049151-\$ or US- 6455973-\$ or US-4333026-\$).did. or (US-4593222-\$ or US-4723754-\$ or US- 4900965-\$ or US-5298822-\$ or US- 5567998-\$ or US-6674208-\$ or US- 4720650-\$ or US-5394043-\$ or US- 6404086-\$ or US-7053510-\$ or US- 5247216-\$ or US-6470984-\$ or US- 6879071-\$ or US-5073735-\$ or US- 7385327-\$ or US-6806597-\$ or US- 5060910-\$ or US-5052656-\$ or US- 7325780-\$ or US-4393319-\$).did.	US-PGPUB; USPAT	OR	ON	2009/04/22 16:17
S38	9	S37 not S31	US-PGPUB; USPAT	OR	ON	2009/04/22 16:17
S39	28	("2978621"   "3159758"   "3660704"). PN. OR ("4393319").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/22 16:18
S40	19	("2978621"   "3159758"   "4333026"   "4381747"   "4393319"   "4438361"   "4480614"   "4496865"   "4501981"   "4588913").PN. OR ("4764696").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/22 16:21
S41	24	("2978621"   "3159758"   "4333026"   "4381747"   "4393319"   "4438361"   "4480614"   "4496865"   "4501981"   "4588913").PN. OR ("4751411").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/22 16:21

S42	1375	h02k037/14.ipc. and @pd<"20050127"	EPO; JPO	OR	ON	2009/04/22 16:46
S43	177	h02k037/14.ipc. and @pd<"20050127" and resin	EPO; JPO	OR	ON	2009/04/22 16:47
S44	4344	((inner interior) near8 (cover covering end\$1plate end\$1cover end\$1shield housing)) and @pd<"20050127" and "310". clas.	US-PGPUB; USPAT	OR	ON	2009/04/23 07:37
S45	2314	((inner interior) near8 (cover covering end\$1plate end\$1cover end\$1shield housing)) and @pd<"20050127" and "310". clas. and (Resin plastic non \$1conducti\$2)	US-PGPUB; USPAT	OR	ON	2009/04/23 07:38
S47	518	((inner interior) near8 (cover covering end\$1plate end\$1cover end\$1shield housing)) and @pd<"20050127" and 310/43,49r,42,40r,89.ccls. and (Resin plastic non\$1conducti\$2)	US-PGPUB; USPAT	OR	ON	2009/04/23 07:41
S48	50	("2411684"   "3182216"   "3760209"   "4412146"   "4626724"   "4866317"   "5073735"   "5134327"   "5164625"   "5184039").PN. OR ("5334897").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/23 14:04
S49	23	("3631275"   "4518886"   "4707627"   "4853576").PN. OR ("5006742").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/23 14:51
S50	11	(ohkawa and ida and kodaira).in.	EPO; JPO; DERWENT	OR	ON	2009/04/24 07:42
S51	1	"4866317".pn.	US-PGPUB; USPAT	OR	ON	2009/04/24 09:54
S52	91	(US-20010033113-\$ or US- 20020113506-\$ or US-20040056544-\$ or US-20020047334-\$ or US- 20020050745-\$ or US-20020050746-\$ or US-20020167238-\$ or US- 20030213087-\$ or US-20040061386-\$ or US-20040108778-\$).did. or (US- 4673836-\$ or US-6081056-\$ or US- 4847528-\$ or US-4982125-\$ or US- 6020668-\$ or US-6800982-\$ or US- 5126608-\$ or US-6157103-\$ or US- 5731646-\$ or US-4866317-\$ or US- 5138208-\$ or US-5334897-\$ or US- 5907204-\$ or US-5952751-\$ or US- 6023838-\$ or US-6125528-\$ or US- 6198189-\$ or US-6465927-\$ or US- 6710484-\$ or US-6753629-\$ or US- 5254892-\$ or US-5490319-\$ or US- 5500994-\$ or US-6049151-\$ or US- 6455973-\$ or US-4333026-\$).did. or (US-4593222-\$ or US-4723754-\$ or US- 4900965-\$ or US-5298822-\$ or US- 5567998-\$ or US-6674208-\$ or US- 4720650-\$ or US-5394043-\$ or US- 6404086-\$ or US-7053510-\$ or US- 5247216-\$ or US-6470984-\$ or US- 6879071-\$ or US-5073735-\$ or US- 7385327-\$ or US-6806597-\$ or US- 5060910-\$ or US-5052656-\$ or US- 7325780-\$ or US-4393319-\$ or US-	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/04/24 09:56

		4764696-\$ or US-4751411-\$ or US-4480614-\$ or US-3585425-\$ or US-3631275-\$ or US-3777194-\$ or US-4048530-\$).did. or (US-4210832-\$ or US-4315176-\$ or US-4378767-\$ or US-4381747-\$ or US-4384224-\$ or US-44114481-\$ or US-4480380-\$ or US-4496866-\$ or US-4529900-\$ or US-4626178-\$ or US-4707627-\$ or US-4714850-\$ or US-4931678-\$ or US-4978876-\$ or US-5006742-\$ or US-5057732-\$ or US-5097168-\$ or US-5155401-\$ or US-5245237-\$ or US-5430931-\$ or US-6144120-\$).did. or (EP-289043-\$ or EP-519163-\$).did. or (JP-02151254-\$ or JP-04012656-\$ or JP-04217835-\$ or JP-07274472-\$ or JP-08140328-\$).did.				
S53	2	S52 and bearing and self\$1lubricat\$3 and @pd<"20050127"	US-PGPUB; USPAT	OR	ON	2009/04/24 09:58
S54	146	"310"/.clas. and bearing and self \$1lubricat\$3 and @pd<"20050127"	US-PGPUB; USPAT	OR	ON	2009/04/24 10:50
S55	104	"310"/.clas. and bearing and self \$1lubricat\$3 and @pd<"20050127" and rotor	US-PGPUB; USPAT	OR	ON	2009/04/24 10:50
S56	73	"310"/.clas. and (bearing near8 self \$1lubricat\$3) and @pd<"20050127" and rotor	US-PGPUB; USPAT	OR	ON	2009/04/24 10:52
S57	11	"310"/.clas. and (bearing near8 self \$1lubricat\$3) and @pd<"20050127" and ((rotor or shaft) near8 (Resin plastic non \$1conduct\$2 PPS polyphenylene sulfide))	US-PGPUB; USPAT	OR	ON	2009/04/24 11:13
S58	33	"310"/.clas. and ((rotor or shaft) near8 self\$1lubricat\$3) and @pd<"20050127"	US-PGPUB; USPAT	OR	ON	2009/04/24 11:23
S59	1875	"310"/.clas. and @pd<"20050127" and ((rotor or shaft) near8 (Resin plastic non \$1conduct\$2 PPS polyphenylene sulfide self\$1lubricat\$3))	US-PGPUB; USPAT	OR	ON	2009/04/24 11:28
S60	849	"310"/.clas. and @pd<"20050127" and ((shaft) near8 (Resin plastic PPS (polyphenylene adj sulfide) self\$1lubricat \$3))	US-PGPUB; USPAT	OR	ON	2009/04/24 11:29
S61	704	"310"/.clas. and @pd<"20050127" and ((shaft) near6 (Resin plastic PPS (polyphenylene adj sulfide) self\$1lubricat \$3))	US-PGPUB; USPAT	OR	ON	2009/04/24 11:29
S62	1056	(composite adj plastic) and resin and @pd<"20050127"	US-PGPUB; USPAT	OR	ON	2009/04/24 12:21
S63	13	(composite adj plastic) and resin and @pd<"20050127" and "310".clas.	US-PGPUB; USPAT	OR	ON	2009/04/24 12:21
S64	1202	(polybutylene adj terephthalate) and lubricat\$3 and @pd<"20050127"	US-PGPUB; USPAT	OR	ON	2009/04/24 15:36
S65	47	(polybutylene adj terephthalate) near6 lubricat\$3 and @pd<"20050127"	US-PGPUB; USPAT	OR	ON	2009/04/24 15:36

S66	365	"310"/.clas. and @pd<"20050127" and ((shaft) near6 (Resin PPS (polyphenylene adj sulfide) self\$1lubricat \$3))	US-PGPUB; USPAT	OR	ON	2009/04/24 16:44
S67	162	"310"/.clas. and @pd<"20050127" and ((shaft) near6 (Resin PPS (polyphenylene adj sulfide) self\$1lubricat \$3)) and (rotor near4 magnet)	US-PGPUB; USPAT	OR	ON	2009/04/24 16:45
S68	764	"310"/.clas. and @pd<"20050127" and ((shaft or rotor) near6 (Resin PPS (polyphenylene adj sulfide) self\$1lubricat \$3))	US-PGPUB; USPAT	OR	ON	2009/04/24 16:50
S69	5940	"310"/.clas. and @pd<"20050127" and (rotor near4 magnet)	US-PGPUB; USPAT	OR	ON	2009/04/24 16:50
S70	393	S68 and S69	US-PGPUB; USPAT	OR	ON	2009/04/24 16:50
S71	733	"310"/.clas. and @pd<"20050127" and ((shaft or rotor) near6 (Resin self \$1lubricat\$3))	US-PGPUB; USPAT	OR	ON	2009/04/24 17:16
S72	379	S71 and S69	US-PGPUB; USPAT	OR	ON	2009/04/24 17:16

4/27/2009 7:40:21 AM

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